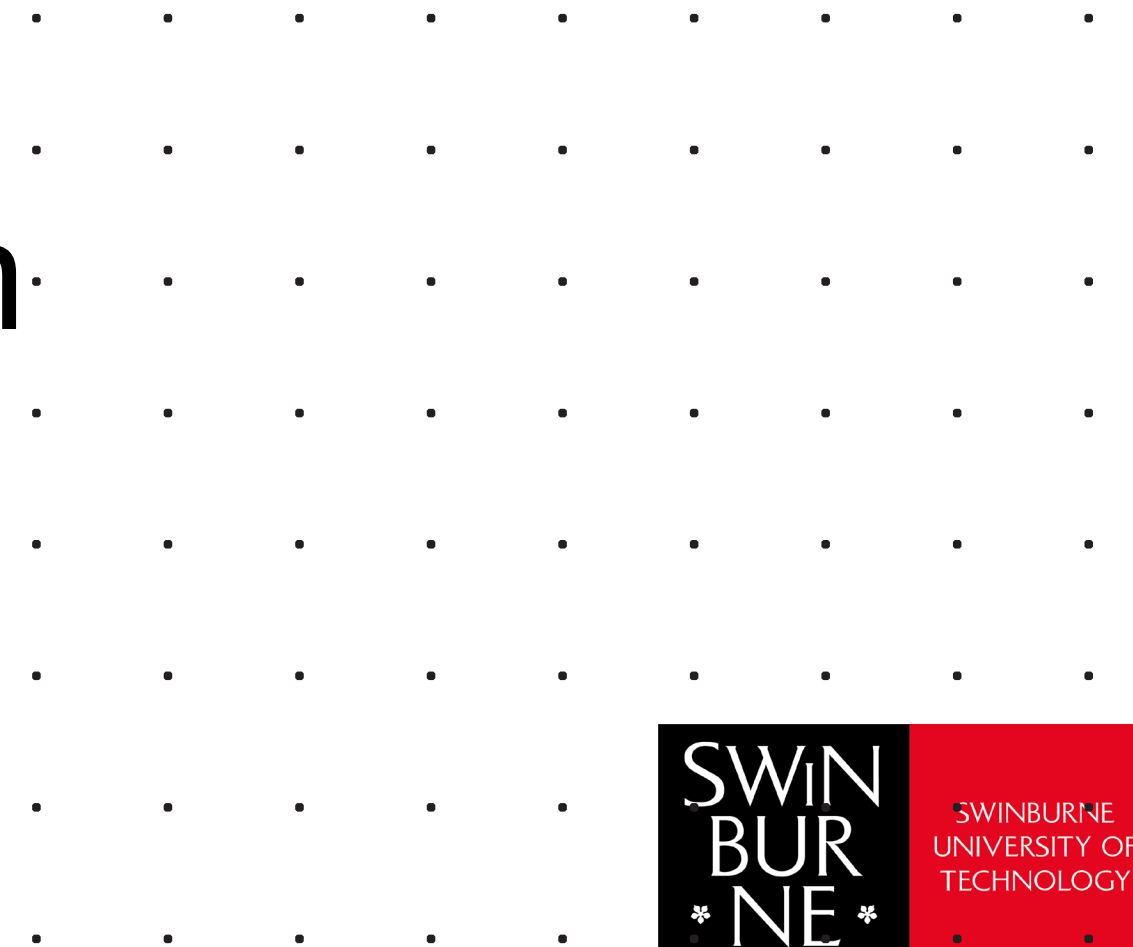


COS20007

Object-Oriented Programming

Topic 02 Part C

Basic UML: Class Diagram



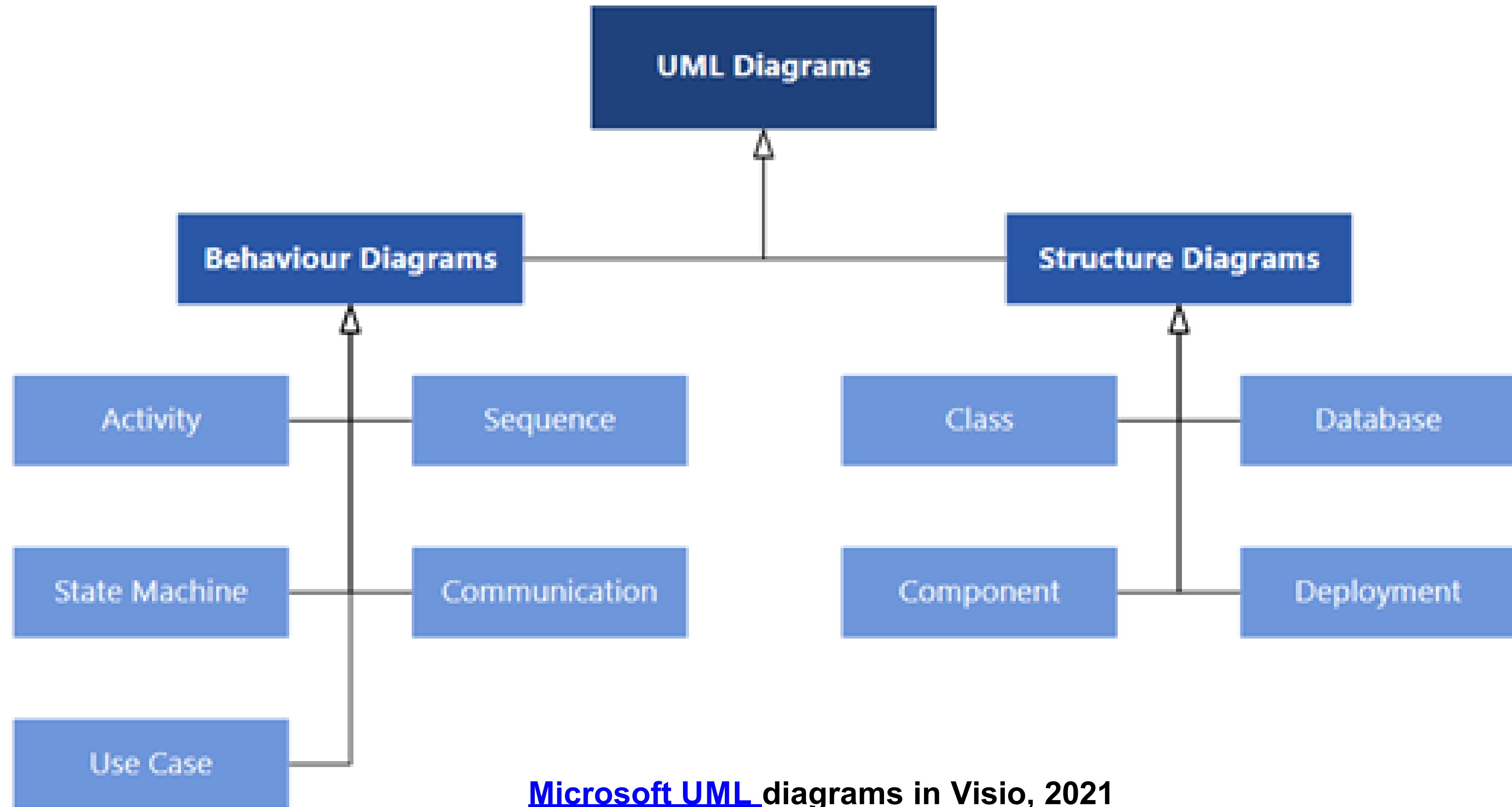
Learning Outcomes

- The importance of Unified Modeling Language (UML)
- An example of Class Diagram

Unified Modeling Language

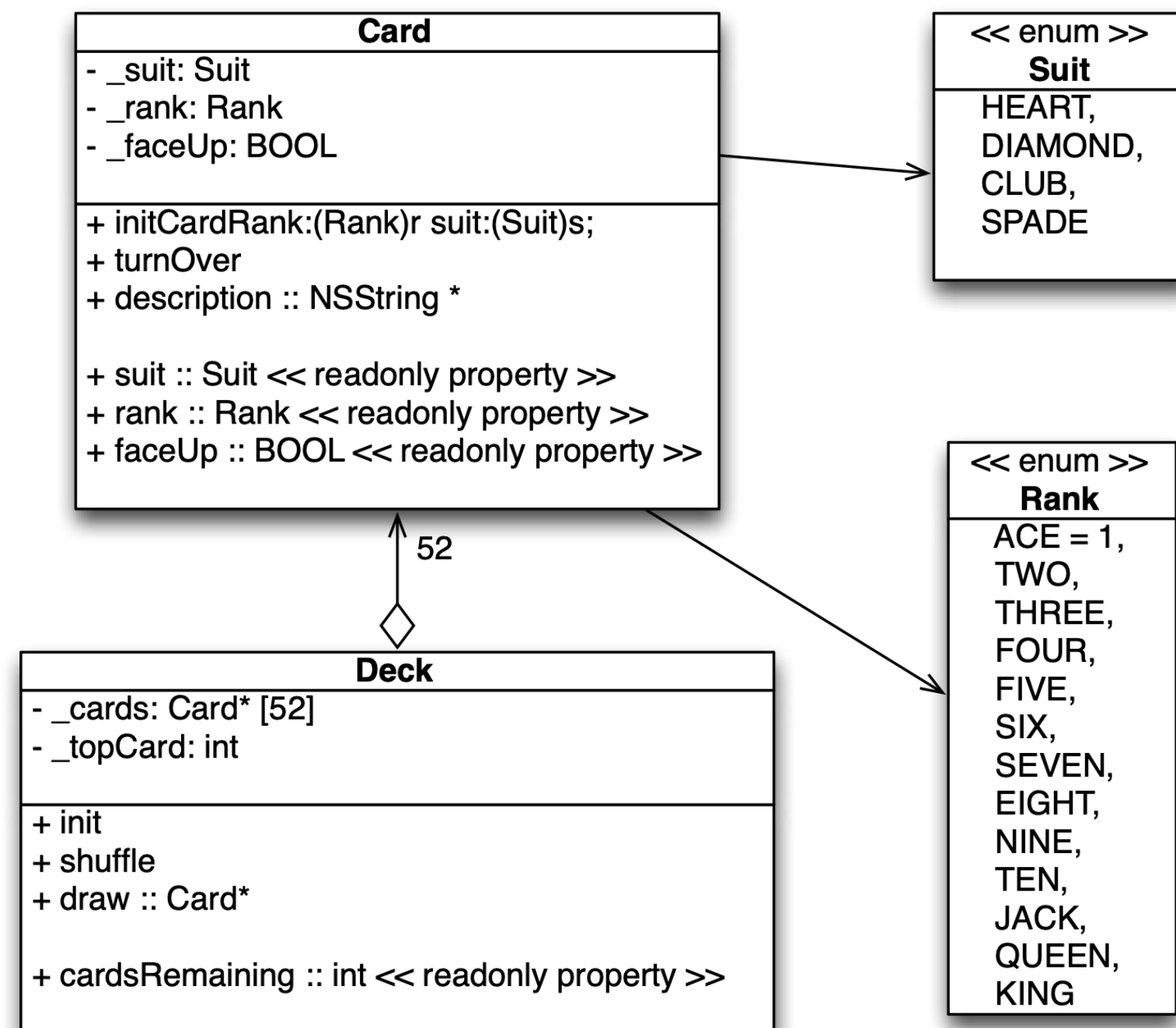
- A standardized visual modelling language used for software engineering, approved by International Organization for Standardization (ISO) in 2025
- Communication language used for complex applications needing collaboration and planning from multiple teams
- Communication language with non-programmers
- Time-saving for software documentation

Different Types of Diagrams



Microsoft UML diagrams in Visio, 2021

Communicate the static structure of your program using a class diagram



Take away message

- Familiarity with UML is important for software engineering
- Depending on your software role, you can look at specified UML diagrams first
- There are many web-based UML tools and software available